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CENTRAL FAX CENTER****OCT 17 2007****IN THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1 1. (original) A gateway for mobile access, comprising:
2 a foreign agent that receives user profile data and session state data from a home
3 authentication, authorization and accounting (AAA) system of a mobile node;
4 at least one dynamic packet filter that performs multi-layer filtering based on the
5 user profile data;
6 wherein the foreign agent transfers a session from a first network to a second
7 network without session interruption, using the session state data, when the mobile node
8 moves from the first network to the second network, and
9 the foreign agent uses the dynamic packet filter to permit Internet access by the
10 mobile node without passing Internet data requested by the mobile node through a
11 network in which the home AAA system is located.

1 2. (original) The gateway of claim 1, further comprising a MAC-address-
2 based filter which blocks packets except for authentication packets that are used to
3 authenticate mobile nodes.

1 3. (original) The gateway of claim 1, wherein the dynamic packet filter
2 performs network layer filtering and one of the group consisting of transport layer
3 filtering and application layer filtering.

1 4. (original) The gateway of claim 1, further comprising a non-volatile
2 storage device in which the user profile data are stored.

1 5. (original) The gateway of claim 1, wherein the non-volatile storage device
2 has a database that stores state information for each active user session.

1 6. (original) The gateway of claim 1, wherein the gateway is coupled to at
2 least one access point, and the gateway transmits from a AAA server in the gateway to
3 the access point an identification of whether a mobile node in communication with the
4 access point is successfully authenticated by the AAA server.

1 7. (original) The gateway of claim 1, wherein the gateway exchanges AAA
2 data with the home AAA system of the mobile node by way of the Internet, and the
3 gateway provides Internet access to the mobile node without passing Internet data
4 requested by the mobile node through the network of the home AAA system.

1 8. (original) The gateway of claim 7, wherein the gateway relays remote
2 authentication dial-in user service packets to the home AAA server.

1 9. (original) The gateway of claim 1, wherein the gateway has a foreign
2 agent that communicates with the home AAA system of the mobile node, and the foreign
3 agent is capable of operating in a relay mode, in which the foreign agent forwards packets
4 to the home AAA of the mobile IP node for authentication, or in a standalone mode, in
5 which authentication computations for the simple IP mobile node are performed in the
6 gateway.

1 10. (original) The gateway of claim 1, the user profile data include per-user
2 policies dynamically obtained from the home AAA server of the mobile node and the
3 gateway further the dynamic packet filter is included in a firewall that uses packet
4 filtering rules that depend on the per-user policies.

1 11. (original) The gateway of claim 10, wherein the firewall includes rules
2 that check a media access control address associated with each received packet.

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1 12. (original) The gateway of claim 1, further comprising an 802.11 access
2 point contained within or attached to a housing of the gateway.

1 13. (original) The gateway of claim 1, further comprising a wireless modem
2 contained within or attached to a housing of the gateway.

1 14. (original) The gateway of claim 1, further comprising:
2 an 802.11 access point contained within or attached to a housing of the gateway;
3 and
4 a wireless modem contained within or attached to a housing of the gateway.

1 15. (original) A gateway for mobile access, comprising:
2 a foreign agent that receives user profile data from a home authentication,
3 authorization and accounting (AAA) system of a client, when the client establishes a
4 session with the gateway;
5 a dynamic packet filter that performs multi-layer filtering based on the user
6 profile data;
7 an access point contained within or attached to a housing of the gateway, for
8 communication between the gateway and the client; and
9 a wireless modem contained within or attached to a housing of the gateway,
10 wherein the gateway is mobile, and the modem permits wireless communication between
11 the gateway and a wireless network.

1 16 (original). The gateway of claim 15, wherein the gateway provides
2 Internet access to the client without passing Internet data requested by the client through
3 a network containing the home AAA system of the client.

1 17. (currently amended) The gateway of claim 15, wherein the foreign agent is
2 capable of obtaining a new ~~IP address~~ IP address when the gateway moves from a first
3 network to a second network.

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1 18. (original) The gateway of claim 16, wherein, the foreign agent is capable
2 of advertising the new IP address to the client.

1 19. (original) The gateway of claim 15, wherein the dynamic packet filter
2 performs network layer filtering and one of the group consisting of transport layer
3 filtering and application layer filtering.

1 20. (original) The gateway of claim 15, further comprising a non-volatile
2 storage device that stores the session state data, and means for transmitting the stored
3 session state data to the client if the client loses a connection with the gateway and
4 resumes the connection with the gateway.

1 21. (withdrawn) A gateway for mobile communications, comprising:
2 a router connectable to a network;
3 means for interrogating a authentication, authorization and accounting (AAA)
4 server with which a mobile node is associated, to determine to which network resources
5 the gateway permits the mobile node access, and to determine a set of one or more user-
6 specific firewall policies associated with the mobile node;
7 a firewall capable of implementing the set of user-specific firewall policies
8 associated with the mobile node.

1 22. (withdrawn) The gateway of claim 21, wherein:
2 the interrogating means obtains AAA data associated with the mobile node from
3 the home AAA server each time the mobile node begins operating in the proximity of the
4 gateway, and
5 the firewall dynamically updates the user-specific firewall policies each time the
6 AAA data for the mobile node are obtained.

1 23. (withdrawn) The gateway of claim 21, wherein the home AAA server of
2 the mobile node is a 3G AAA server.

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1 24. (withdrawn) The gateway of claim 21, wherein the gateway has a port for
2 directly or indirectly connecting an 802.11 access point.

1 25. (withdrawn) A method for controlling mobile access, comprising the steps
2 of:
3 obtaining user profile data of a mobile IP node from a home authentication,
4 authorization and accounting (AAA) server of the mobile IP node, to determine whether
5 the mobile IP node is registered to access a network by way of a gateway;
6 performing multi-layer filtering based on the user profile data;
7 transferring a session from a first network to a second network in which the
8 mobile IP node is located without session interruption, when the mobile node moves to
9 the second network; and
10 providing Internet access to the mobile IP node without passing Internet data
11 requested by the mobile IP node through the a network in which the home AAA server is
12 located.

1 26. (withdrawn) The method of claim 25, further comprising using packet
2 filtering rules that depend on per-user policies dynamically obtained from the home AAA
3 server of the mobile node.

1 27. (withdrawn) The method of claim 25, further comprising connecting the
2 gateway to the Internet by a path other than by way of a third generation core network.

1 28. (withdrawn) A method for mobile communications, comprising the steps
2 of:
3 interrogating a authentication, authorization and accounting (AAA) server of a
4 mobile node, to determine to which network resources the gateway permits the mobile
5 node access, and to determine a set of one or more user-specific firewall policies
6 associated with the mobile node, the interrogating being performed each time the mobile
7 node begins operating in the proximity of a gateway;

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8 implementing the set of user-specific firewall policies associated with the mobile
9 node in the gateway; and
10 dynamically updating the user-specific firewall policies each time the AAA server
11 for the mobile node is interrogated.

1 29. (original) A computer readable medium encoded with computer program
2 code, wherein, when the code is executed by a processor, the processor performs a
3 method for controlling mobile access, comprising the steps of:
4 filtering incoming packets based on a media access control address of each packet;
5 obtaining user profile data of a mobile IP node from a home authentication,
6 authorization and accounting (AAA) server of a mobile IP node, to determine whether the
7 mobile IP node is registered to access a network by way of a gateway;
8 performing multi-layer filtering based on the user profile data;
9 transferring a session from a first network to a second network in which the
10 mobile IP node is located without session interruption when the mobile node moves to
11 the second network; and
12 providing Internet access to the mobile IP node without passing Internet data
13 requested by the mobile IP node through a network in which the home AAA server is
14 located.

1 30. (withdrawn) A computer readable medium encoded with computer
2 program code, wherein, when the code is executed by a processor, the processor performs
3 a method for mobile communications, comprising the steps of:
4 interrogating a home authentication, authorization and accounting (AAA) server
5 of a mobile node, to determine to which network resources the gateway permits the
6 mobile node access, and to determine a set of one or more user-specific firewall policies
7 associated with the mobile node, the interrogating being performed each time the mobile
8 node begins operating in the proximity of a gateway;
9 ¶implementing the set of user-specific firewall policies associated with the mobile
10 node in the gateway; and

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- 11 dynamically updating the user-specific firewall policies each time the AAA server
- 12 for the mobile node is interrogated.